

MITIGATING INTERFERENCE AMONG MULTIPLE RADIO DEVICE TYPES

Abstract of the Disclosure

At least two types of wireless devices may be simultaneously handled in a system (i.e., on a wireless-enabled platform (e.g., Bluetooth and IEEE 802.11) in a personal computing environment, such as a personal computer system) in a way that substantially mitigates interference between the wireless devices interfacing therewith. To mitigate cross-interference among multiple radio frequency device types while operating in tandem or concurrently, in a wireless communication-enabled personal computer system, transmission and/or reception from and to all radio frequency device types but the active one radio frequency device type may be selectively blocked. In one embodiment, gating signals from at least two active wireless transceivers may be detected. Using the type information of the active wireless transceivers, a priority may be assigned to each active wireless transceiver. Pending transactions associated with each active wireless transceiver may also be tracked. Based on the priority and the pending transactions, communication control may be arbitrated (e.g., through time slicing) between active wireless transceivers.

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